

Network Security Device Management (NSDM) system 100

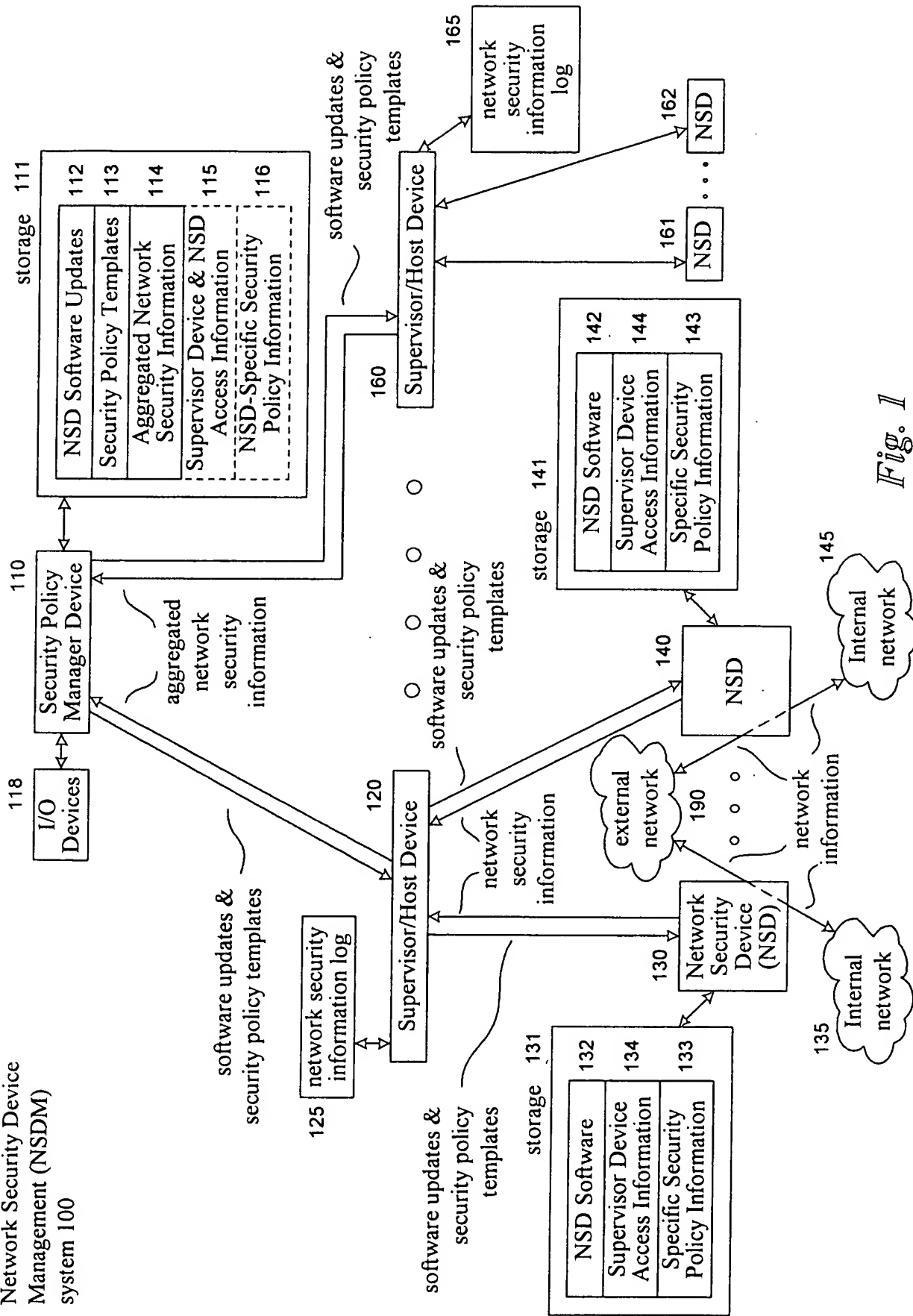


Fig. 1

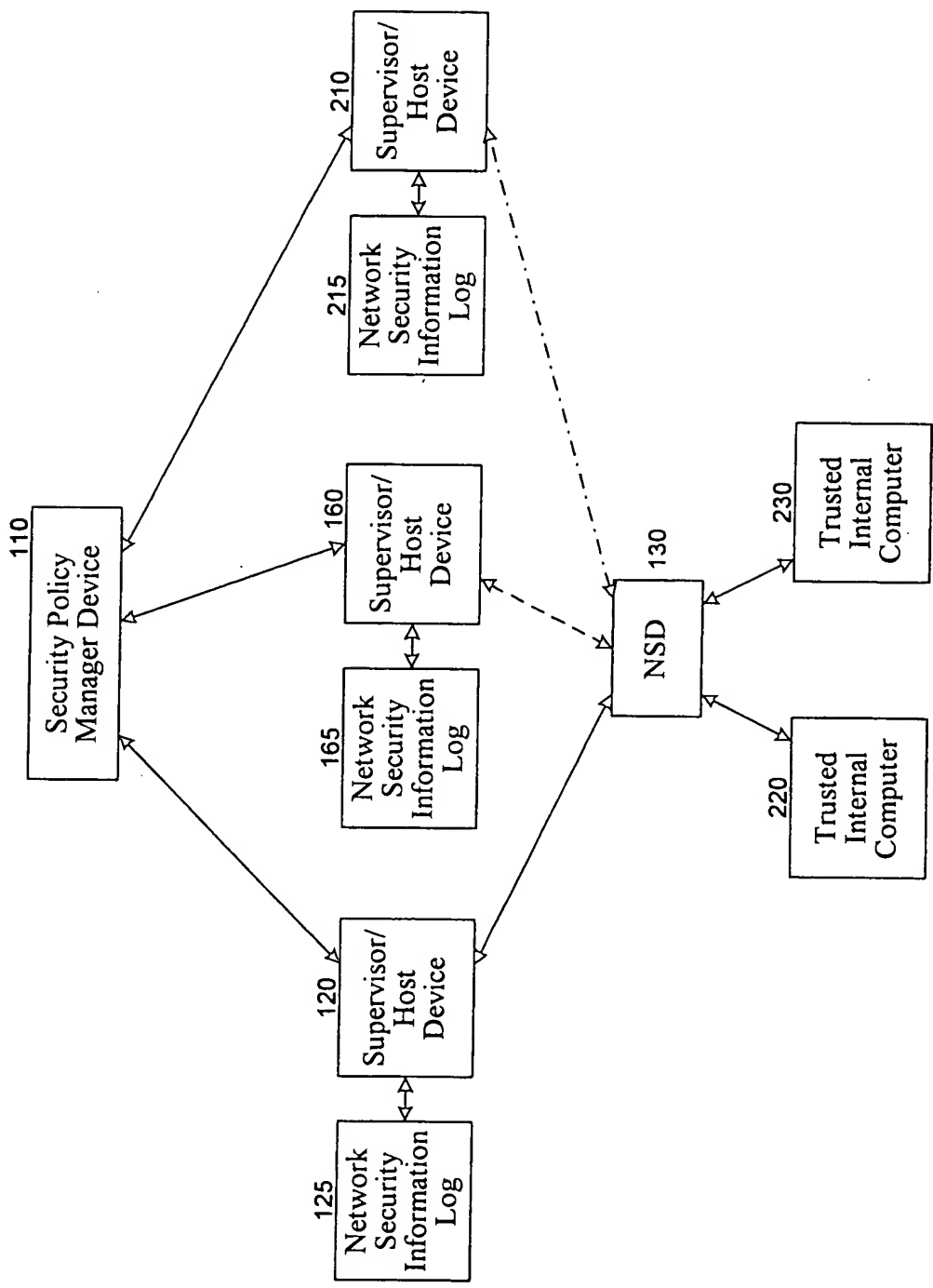


Fig. 2

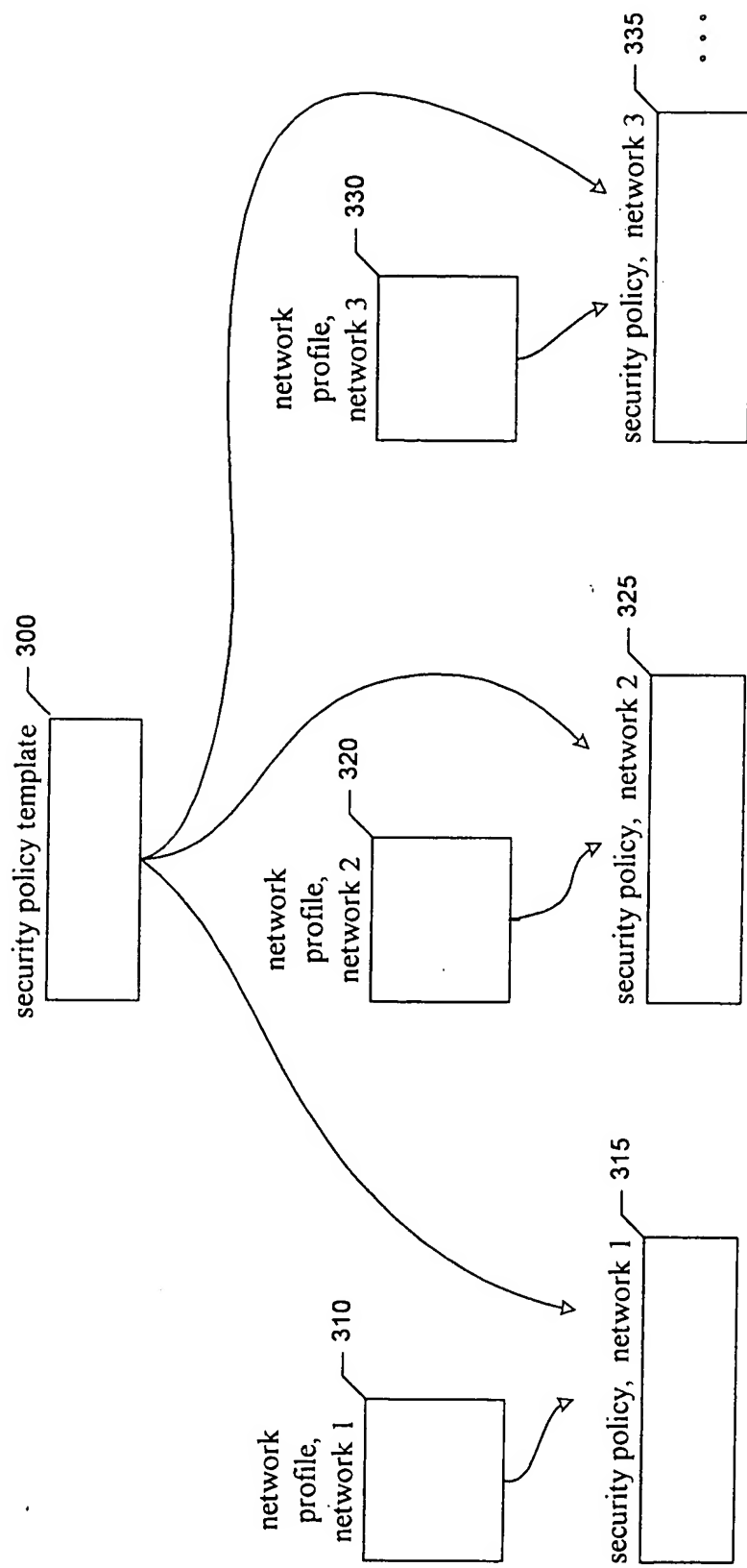


Fig. 3A

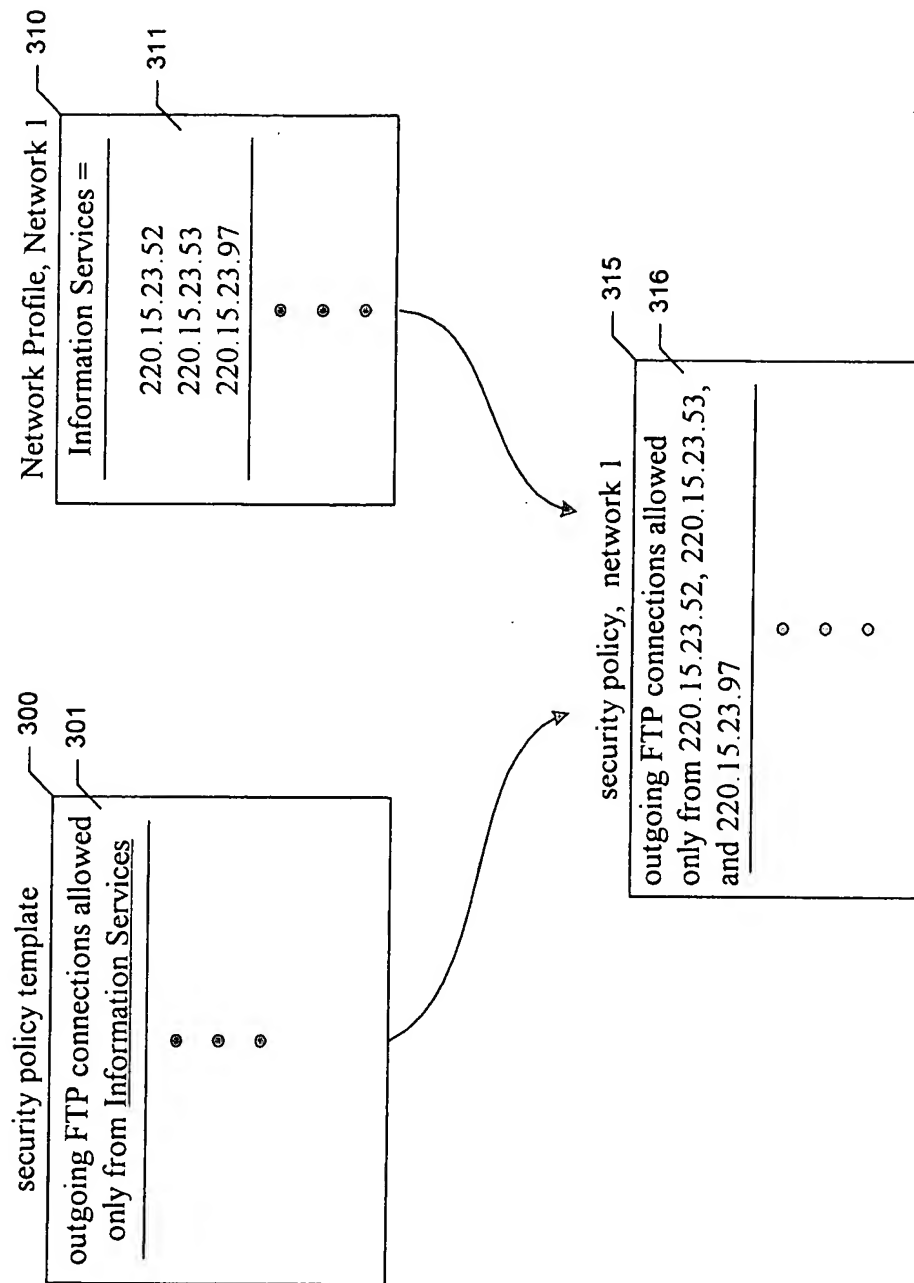


Fig. 3B

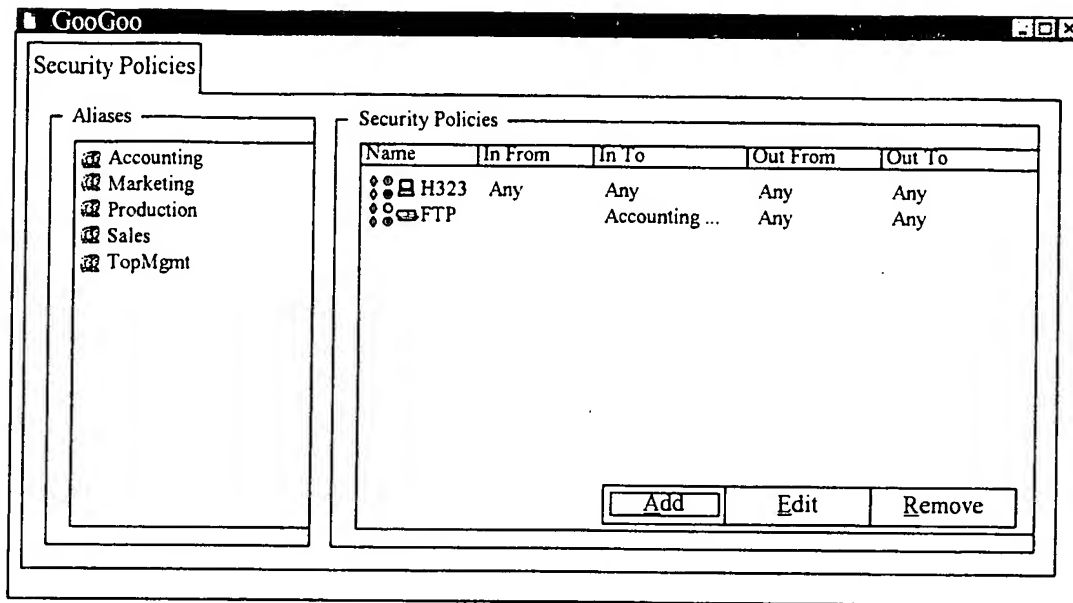


FIG. 3C

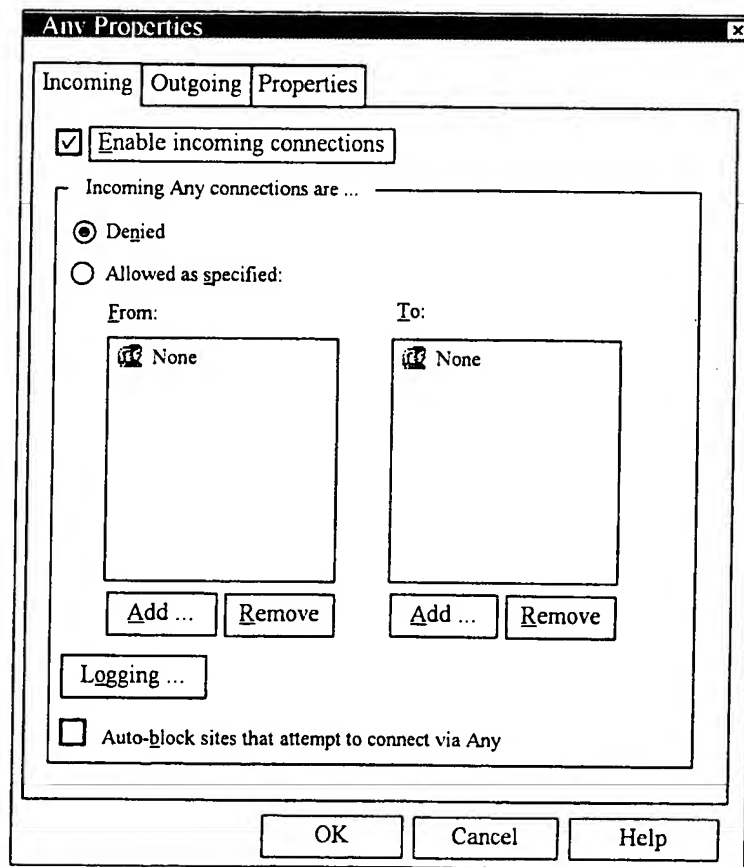


FIG. 3D

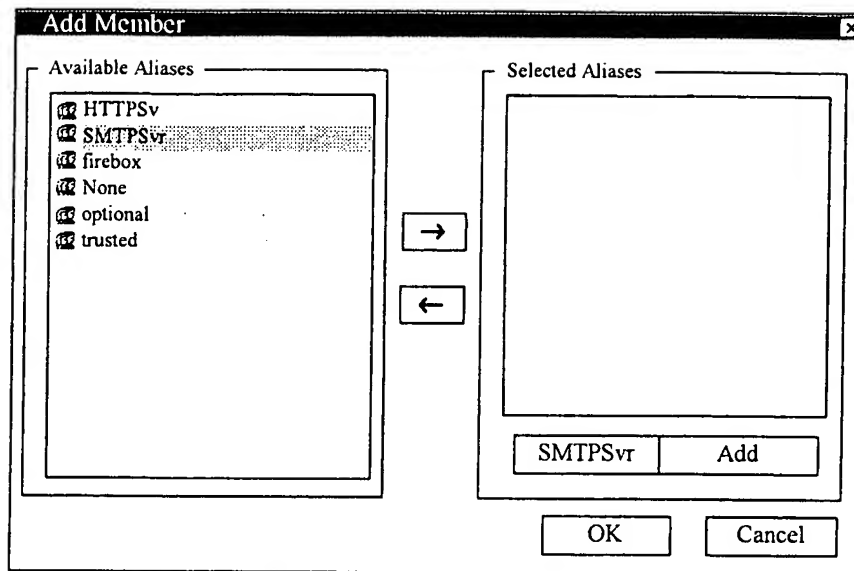


FIG. 3E

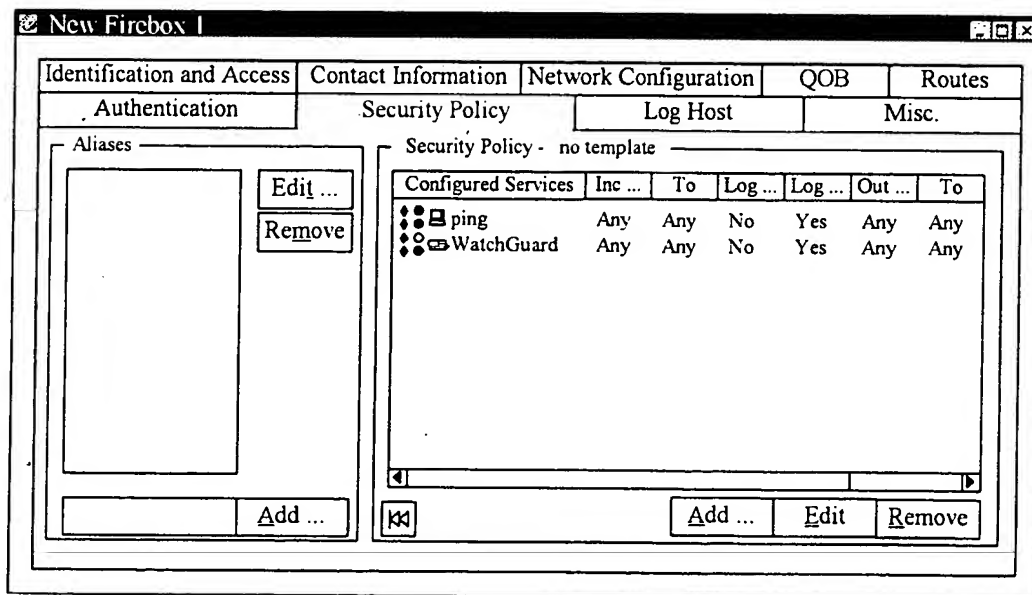


FIG. 3F

Logging and Notification

Category:

- Incoming Allowed Packets
- Incoming Denied Packets
- Outgoing Allowed Packets
- Outgoing Denied Packets

☐ Enter it in the log

☒ Send notification

☒ E-mail

☐ Pager

☐ Popup Window

☐ Custom program:

Remove

Launch interval: 15 minutes

Repeat count: 10

OK

Cancel

Help

FIG. 3G

HTTP Proxy

Settings

- ☐ Remove client connection info
- ☐ Remove cookies
- ☐ Deny submissions
- ☒ Deny Java/ActiveX applets
- ☐ Remove unknown headers
- ☒ Log accesses

Idle timeout: 600 seconds

☐ Use Proxy Server

IP: Port:

Safe Content

☒ Allow only safe content types:

- audio/*
- image/*
- text/*
- video/*

Remove

Mime type: Add

OK

Cancel

Help

Note: HTTP proxying affects outgoing connections only.

FIG. 3H

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Jun 15 14:28:15 control: Firebox closed connection. Hard Close.
Jun 15 14:28:18 control: WatchGuard control 3.00.B120 (C) 1996-1998 Watchguard Technologies
Jun 15 14:28:10 10.1.1.1 vpnd [47]: WatchGuard vpnd v3.00.B120 (C) 1996-1998 WGTI
Jun 15 14:28:10 10.1.1.1 vpnd [47]: No VPN devices configured... exiting.
Jun 15 14:28:10 10.1.1.1 firewall [48]: Explicitly set external interface was "", auto-detected "eth0"
Jun 15 14:28:10 10.1.1.1 init [1]: WatchGuard Init Copyright (C) 1996-1998 Watchguard Technologies
Jun 15 14:28:10 10.1.1.1 kernel: Low memory threshold at 95/90/88 percent.
Jun 15 14:28:10 10.1.1.1 kernel: Console: 16 point font, 400 scans
Jun 15 14:28:10 10.1.1.1 kernel: Console: colour VGA+80x25, 1 virtual console (max 63)
Jun 15 14:28:10 10.1.1.1 kernel: pcibios_init : BIOS32 Service Directory structure at 0x000fadc0
Jun 15 14:28:10 10.1.1.1 kernel: pcibios_init : BIOS32 Service Directory entry at 0xfb230
Jun 15 14:28:10 10.1.1.1 kernel: pcibios_init : PCI BIOS revision 2.10 entry at 0xfb260
Jun 15 14:28:10 10.1.1.1 kernel: Probing PCI hardware.
Jun 15 14:28:10 10.1.1.1 kernel: Warning : Unknown PCI device (1023: 9660). Please read include/linux/pci.h
Jun 15 14:28:10 10.1.1.1 kernel: Calibrating delay loop.. ok -35.94 BogoMIPS
Jun 15 14:28:10 10.1.1.1 kernel: Memory: 15000k/16384k available (540k kernel code, 384k reserved, 460k data)
Jun 15 14:28:10 10.1.1.1 kernel: Swansea University Computer Society NET3.035 for Linux 2.0
Jun 15 14:28:10 10.1.1.1 kernel: NET3: Unix domain sockets 0.13 for Linux NET3.035.
Jun 15 14:28:10 10.1.1.1 kernel: Swansea University Computer Society TCP/IP for NET3.034
Jun 15 14:28:10 10.1.1.1 kernel: IP Protocols: ICMP, GRE, UDP, TCP
Jun 15 14:28:10 10.1.1.1 kernel: Checking 3861387 coupling... Ok, fpu using exception 16 error
Jun 15 14:28:10 10.1.1.1 kernel: Checking 'hlt' instruction... Ok.
Jun 15 14:28:10 10.1.1.1 kernel: Intel Pentium with F0 0F bug - workaround enabled.
Jun 15 14:28:10 10.1.1.1 kernel: alias mapping IDT readonly ... .. done
Jun 15 14:28:10 10.1.1.1 kernel: Linux version 2.0.33 (bryan@terror) (gcc version 2.7.2.1) #1 Wed Apr 22 12:00:23 PDT 1998
Jun 15 14:28:10 10.1.1.1 kernel: Starting kswapd v 1.2
Jun 15 14:28:10 10.1.1.1 kernel: Serial driver version 4.13 with no serial options enabled
Jun 15 14:28:10 10.1.1.1 kernel: tty00 at 0x03f8 (irq=4) is a 16550A
Jun 15 14:28:10 10.1.1.1 kernel: tty01 at 0x02f8 (irq=3) is a 16550A
Jun 15 14:28:10 10.1.1.1 kernel: Real Time Clock Driver v1.07
Jun 15 14:28:10 10.1.1.1 kernel: Ramdisk driver initialized : 16 ramdisks of 4096K size
Jun 15 14:28:10 10.1.1.1 kernel: Floppy drive(s) : fd0 is 1.44M

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FIG. 4A


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Jun 15 14:28:10 10.1.1.1 kernel: FDC 0 is an 8272A
Jun 15 14:28:10 10.1.1.1 kernel: eth0: 3c509 at 0x300 tag 1, 10baseT port, address 00 60 97 97 a3 06, IRQ 9.
Jun 15 14:28:10 10.1.1.1 kernel: 3c509.c:1.12 6/4/97 becker@cesdis.gsfc.nasa.gov
Jun 15 14:28:10 10.1.1.1 kernel: eth1: 3c509 at 0x320 tag 2, 10baseT port, address 00 60 97 a9 c1 42, IRQ 10.
Jun 15 14:28:10 10.1.1.1 kernel: 3c509.c:1.12 6/4/97 becker@cesdis.gsfc.nasa.gov
Jun 15 14:28:10 10.1.1.1 kernel: eth2: 3c509 at 0x340 tag 3, 10baseT port, address 00 60 97 ad c5 2b, IRQ 11.
Jun 15 14:28:10 10.1.1.1 kernel: 3c509.c:1.12 6/4/97 becker@cesdis.gsfc.nasa.gov
Jun 15 14:28:10 10.1.1.1 kernel: VFS: Disk change detected on device 02:00
Jun 15 14:28:10 10.1.1.1 kernel: RAMDISK: Compressed image found at block 440
Jun 15 14:28:10 10.1.1.1 kernel: VFS: Mounted root (minix filesystem) readonly.
Jun 15 14:28:10 10.1.1.1 kernel: WatchGuard Driver v3.00.B120 (C) 1995-1998 WGTI
Jun 15 14:28:10 10.1.1.1 firewalld [48]: new outside interface is eth0
Jun 15 14:28:10 10.1.1.1 firewalld [48]: Starting child /bin/server
Jun 15 14:28:11 10.1.1.1 firewalld [48]: Starting child /opt/bin/tunnel
Jun 15 14:28:11 10.1.1.1 h323 [52]: WatchGuard h323 v3.00.B120 (C) 1998 WGTI
Jun 15 14:28:11 10.1.1.1 sw-proxy [53]: streamworks-proxy launched
Jun 15 14:28:11 10.1.1.1 firewalld [48]: Starting child /opt/bin/webblocker
Jun 15 14:28:11 10.1.1.1 kernel: WG: reset
Jun 15 14:28:11 10.1.1.1 firewalld [48]: Couldn't find property options.portfwd.hosts, returning ""
Jun 15 14:28:11 10.1.1.1 dce_rpc [54]: WatchGuard dce_rpc v3.00.B120 (C) 1998 WGTI
Jun 15 14:28:12 10.1.1.1 tunnel [56]: WatchGuard PPTP-tunnel v3.00.B120 (C) 1997-1998 WGTI
Jun 15 14:28:12 10.1.1.1 kernel: PPTP: version 1.0.0 (For export)
Jun 15 14:28:12 10.1.1.1 kernel: MPPC: will not compress outgoing packets
Jun 15 14:28:12 10.1.1.1 tunnel [56]: added 1 pptp interfaces
Jun 15 14:28:12 10.1.1.1 tunnel [56]: software compression will not be negotiated
Jun 15 14:28:12 10.1.1.1 nbroadcast [60]: WatchGuard NBRecast v3.00.B120 (C) 1998 WGTI
Jun 15 14:28:12 10.1.1.1 tunnel [61]: messenger_init: using syslog as printer (with LOG_WARNING level)
Jun 15 14:28:12 10.1.1.1 tunnel [61]: messenger_init: will read from /tmp/message.61 file
Jun 15 14:28:12 10.1.1.1 firewalld [48]: WatchGuard Daemon, v3.00.B120 (C) 1996-1998 WGTI
Jun 15 14:28:12 10.1.1.1 firewalld [48]: Couldn't connect daytime socket (Connection refused)
Jun 15 14:28:12 10.1.1.1 firewalld [48]: Childmax is 490
Jun 15 14:28:12 10.1.1.1 firewalld [48]: Pid 57, exit status 0

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FIG. 4B

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Jun 15 14:28:12 10.1.1.1 firewallld [48]: Pid 56, exit status 0
Jun 15 14:28:12 10.1.1.1 http-proxy [58]: WatchGuard HTTP proxy v3.00.B120 (C) 1996-1998 WGTI
Jun 15 14:28:17 10.1.1.1 authentication [55]: WatchGuard authentication v3.00.B120 (C) 1998 WGTI
Jun 15 14:28:25 10.1.1.1 fwcheck [51]: fwcheck (C) 1998 WGTI
Jun 15 14:28:53 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:30:08 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:31:29 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:32:52 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:33:08 10.1.1.1 http-proxy [78]: [10.1.1.15:1094 204.202.129.247:80/java/ScorePost.zip] Response from
204.202.129.247:80/java/scorepost.zip denied: Unsafe content type "application/zip"
Jun 15 14:33:08 10.1.1.1 http-proxy [79]: [10.1.1.15:1095 204.202.129.247:80/java/starwave/sportszone/scorepost/ScorePost.class]
Response from 204.202.129.247:80/java/starwave/sportszone/scorepost/scorepost.class denied: Unsafe content type
Jun 15 14:33:08 10.1.1.1 http-proxy [80]: [10.1.1.15:1096 204.202.129.230:80/javanew/lw_ticker/LWScroller.class] Response from
204.202.129.230:80/javanew/lw_ticker/lwscroller.class denied: Unsafe applet
Jun 15 14:34:21 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:35:42 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:37:01 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:38:22 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:39:51 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:41:17 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:42:30 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:43:45 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:45:10 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:46:38 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:48:00 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:49:28 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:50:42 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:51:58 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:53:11 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:54:36 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:55:53 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 14:57:23 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
```

FIG. 4C

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Jun 15 14:57:57 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 63 208.152.24.33 208.152.24.23 3946 113 syn (default)
Jun 15 14:58:35 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:00:04 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:01:29 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:02:49 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:04:14 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:05:39 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:05:54 10.1.1.1 http-proxy [205]: [10.1.1.15:1144
    208.134.241.152:80/js.ng/Params.richmedia=yes&uniqueID=homepage.main.0&GroupID=400&PagePos=1] Response from
    208.134.241.152:80/js.ng/params.richmedia=yes&uniqueid=homepage.main.0&grou
Jun 15 15:06:10 10.1.1.1 http-proxy [209]: [10.1.1.15:1148
    208.134.241.152:80/js.ng/Params.richedia=yes&uniqueID=homepage.main.0&GroupID=400&PagePos=1] Response from
    208.134.241.152:80/js.ng/params.richmedia=yes&uniqueid=homepage.main.0&grou
Jun 15 15:06:10 10.1.1.1 http-proxy [210]: [10.1.1.15:1149 208.134.241.155:80/homepage/pics/forecasts_conditions_450.gif] Can't
    send data to client (Broken pipe)
Jun 15 15:06:10 10.1.1.1 http-proxy [208]: [10.1.1.15:1147 208.134.241.155:80/breaking_weather/live_story/pics/hmpg_image.jpg]
    Can't send data to client (Broken pipe)
Jun 15 15:06:10 10.1.1.1 http-proxy [211]: [10.1.1.15:1150 208.134.241.155:80] relaying connection-reset (on read) from client
Jun 15 15:07:06 10.1.1.1 http-proxy [262]: [10.1.1.15:1207 204.133.127.77:80/java/Ticker.class] Response from
    204.133.127.77:80/java/ticker.class denied: Unsafe applet
Jun 15 15:07:08 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:08:35 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:09:50 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:09:59 10.1.1.1 http-proxy [309]: [10.1.1.17:1074 206.35.113.28:80/F/OCVscroll.class] Response from
    206.35.113.28:80/f/ocvscroll.class denied: Unsafe content type "application/octet-stream"
Jun 15 15:10:00 10.1.1.1 http-proxy [310]: [10.1.1.17:1075 206.35.113.28:80/F/resbar.gif] Can't send data to client (Broken pipe)
Jun 15 15:10:00 10.1.1.1 http-proxy [311]: [10.1.1.17:1076 206.35.113.28:80/F/331.gif] Can't send data to client (Broken pipe)
Jun 15 15:10:00 10.1.1.1 http-proxy [312]: [10.1.1.17:1077 206.35.113.28:80/F/copyrigh.gif] Can't send data to client (Broken pipe)
Jun 15 15:10:00 10.1.1.1 http-proxy [313]: [10.1.1.17:1078 206.35.113.28:80] relaying connection-reset (on read) from client
Jun 15 15:11:03 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:12:19 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:13:32 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)

```

FIG. 4D

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Jun 15 15:13:53 10.1.1.1 http-proxy [336]: [10.1.1.21:1034 206.69.91.100:80/neonews/Scroll.class] Response from
206.69.91.100:80/neonews/scroll.class denied: Unsafe applet
Jun 15 15:14:21 10.1.1.1 http-proxy [349]: [10.1.1.21:1048 141.142.3.70:80/java/mamagator.class] Response from
141.142.3.70:80/java/mamagator.class denied: Unsafe content type "application/octet-stream"
Jun 15 15:14:54 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:16:12 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:17:29 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:18:53 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:19:58 10.1.1.1 http-proxy [382]: [10.1.1.19:1027 207.25.71.22:80/virtual/1998/code/cnn.js] Response from
207.25.71.22:80/virtual/1998/code/cnn.js denied: Unsafe content type "application/x-javascript"
Jun 15 15:20:11 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:20:28 10.1.1.1 http-proxy [393]: [10.1.1.19:1041 204.152.178.145:80/phrack52.tar.gz] Response from
204.152.178.145:80/phrack52.tar.gz denied: Unsafe content type "application/x-tar"
Jun 15 15:21:37 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:22:52 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:24:12 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:25:36 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:27:03 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:28:21 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:29:37 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:30:51 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:31:03 10.1.1.1 firewallld [48]: deny in eth0 44 top 20 63 208.152.24.33 208.152.24.23 4124 113 syn (default)
Jun 15 15:32:20 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:33:33 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:34:48 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:36:02 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2208.152.24.30 255.255.255.255 (default)
Jun 15 15:37:21 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:37:39 10.1.1.1 firewallld [48]: deny in eth0 56 icmp 20 255 208.152.24.30 208.152.24.23 5 1 (default)
Jun 15 15:38:44 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:40:00 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:41:22 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:41:55 10.1.1.1 http-proxy [585]: [10.1.1.20:1029 192.215.74.11:80] relaying connection-reset (on read) from client

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FIG. 4E

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Jun 15 15:42:45 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:44:10 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:45:33 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:46:43 10.1.1.1 http-proxy[610]: [10.1.1.25:1030 209.67.29.11:80/java/NewsTicker/NewsTicker1.class] Response from
209.67.29.11:80/java/newsticker/newsticker1.class denied: Unsafe applet
Jun 15 15:46:48 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:46:54 10.1.1.1 http-proxy [617]: [10.1.1.25:1037 209.67.29.11:80] relaying connection-reset (on read) from client
Jun 15 15:46:55 10.1.1.1 http-proxy [627]: [10.1.1.25:1047 209.67.29.11:80] relaying connection-reset (on read) from client
Jun 15 15:48:09 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:49:34 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:51:03 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:52:04 10.1.1.1 http-proxy [670]: [10.1.1.30:1061 206.99.97.11:80] connection timed out: exiting
Jun 15 15:52:18 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:53:31 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 15:54:36 10.1.1.1 http-proxy [704]: [10.1.1.30:1096 206.99.97.11:80] connection timed out: exiting
Jun 15 15:56:19 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255
Jun 15 15:57:46 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255
Jun 15 15:59:09 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255
Jun 15 16:00:24 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255
Jun 15 16:01:42 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255
Jun 15 16:03:01 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255
Jun 15 16:04:22 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255
Jun 15 16:04:25 10.1.1.1 http-proxy [763]: [10.1.1.24:1047 168.100.205.221:80] relaying connection-reset (on read) from client
Jun 15 16:05:39 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:07:08 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:08:31 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:09:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1024 4102 syn (default)
Jun 15 16:09:25 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1024 4102 syn (default)
Jun 15 16:09:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1030 4102 syn (default)
Jun 15 16:09:55 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:10:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1031 4102 syn (default)

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FIG. 4F

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Jun 15 16:10:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1037 4102 syn (default)
Jun 15 16:11:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1090 4102 syn (default)
Jun 15 16:11:25 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:11:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1095 4102 syn (default)
Jun 15 16:12:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1096 4102 syn (default)
Jun 15 16:12:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1152 4102 syn (default)
Jun 15 16:12:55 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:13:08 10.1.1.1 http-proxy [825]: [10.1.1.23:1042 204.202.129.247:80/java/ScorePost.zip] Response from
204.202.129.247:80/java/scorepost.zip denied: Unsafe content type "application/zip"
Jun 15 16:13:09 10.1.1.1 http-proxy [826]: [10.1.1.23:1043 204.202.129.247:80/java/starwave/sportszone/scorepost/ScorePost.class]
Response from 204.202.129.247:80/java/starwave/sportszone/scorepost/scorepost.class denied: Unsafe content type
Jun 15 16:13:09 10.1.1.1 http-proxy [827]: [10.1.1.23:1044 204.202.129.230:80/javanew/lw_ticker/LWScroller.class] Response from
204.202.129.230:80/javanew/lw_ticker/lwscroller.class denied: Unsafe applet
Jun 15 16:13:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1216 4102 syn (default)
Jun 15 16:13:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1283 4102 syn (default)
Jun 15 16:14:20 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:14:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1284 4102 syn (default)
Jun 15 16:14:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1285 4102 syn (default)
Jun 15 16:15:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1286 4102 syn (default)
Jun 15 16:15:37 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:15:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1287 4102 syn (default)
Jun 15 16:16:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1288 4102 syn (default)
Jun 15 16:16:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1294 4102 syn (default)
Jun 15 16:17:02 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:17:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1297 4102 syn (default)
Jun 15 16:17:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1298 4102 syn (default)
Jun 15 16:18:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1361 4102 syn (default)
Jun 15 16:18:31 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:18:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1362 4102 syn (default)
Jun 15 16:19:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1424 4102 syn (default)
Jun 15 16:19:49 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:19:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1488 4102 syn (default)

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FIG. 4G

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Jun 15 16:20:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1559 4102 syn (default)
Jun 15 16:20:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1563 4102 syn (default)
Jun 15 16:21:04 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:21:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1564 4102 syn (default)
Jun 15 16:21:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1565 4102 syn (default)
Jun 15 16:22:22 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1567 4102 syn (default)
Jun 15 16:22:29 10.1.1.1 firewallld [48]: deny in eth0 46 9 20 2 208.152.24.30 255.255.255.255 (default)
Jun 15 16:22:52 10.1.1.1 firewallld [48]: deny in eth0 44 tcp 20 53 198.245.206.12 208.152.24.23 1569 4102 syn (default)
Jun 15 16:23:53 controlld: Error: Connection reset by peer. Receive: error #10054
Jun 15 16:23:57 controlld: WatchGuard controlld 3.00.B120 (C) 1996-1998 WatchGuard Technologies
Jun 11 02:43:58 198.245.206.12 firewallld [49]: deny in eth1 242 udp 20 32 198.245.206.208 198.245.206.255 138 138 (SMB)
Jun 15 16:24:13 controlld: WatchGuard controlld 3.00.B120 (C) 1996-1998 WatchGuard Technologies

```

FIG. 4H

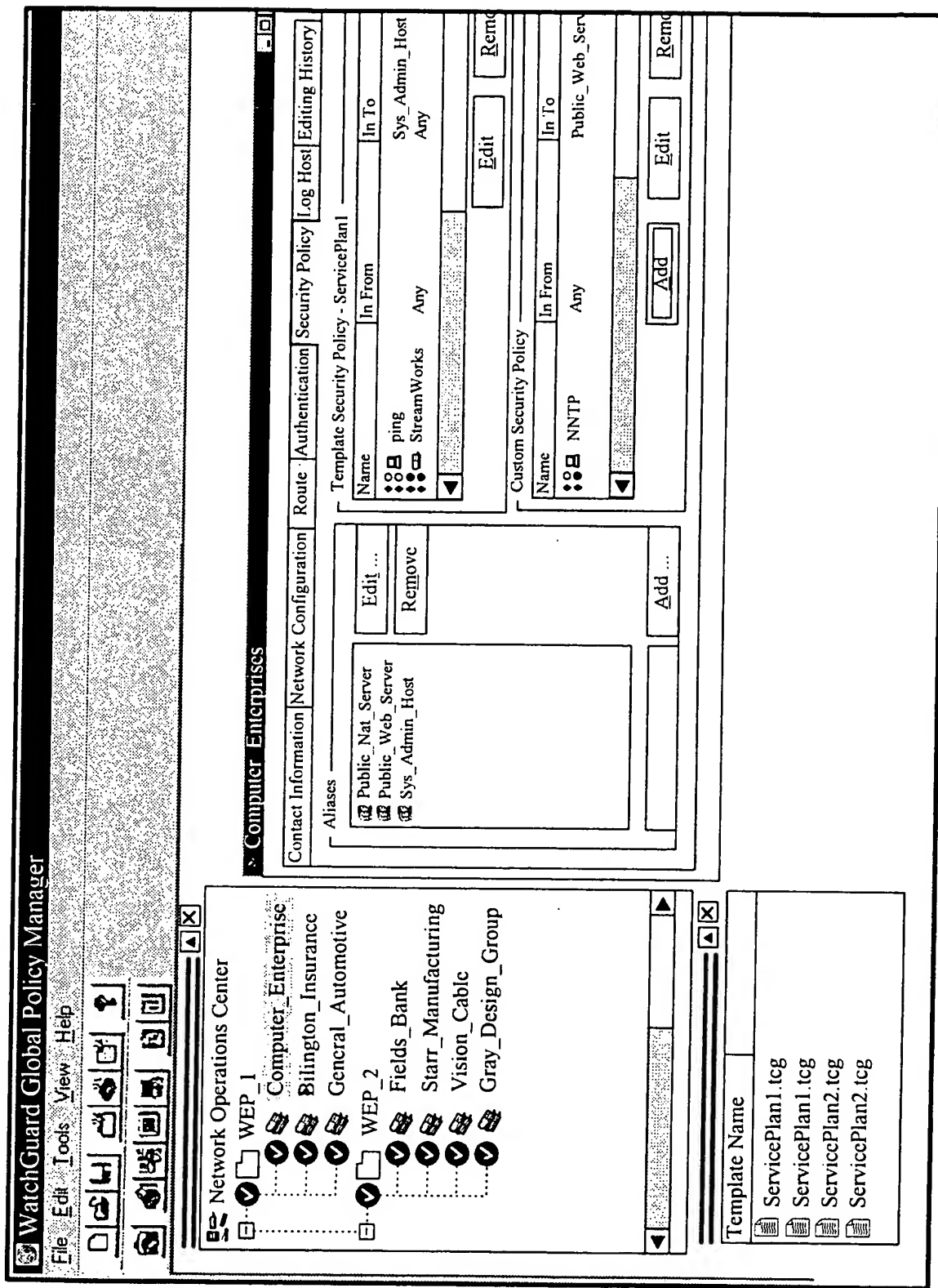


FIG. 5A

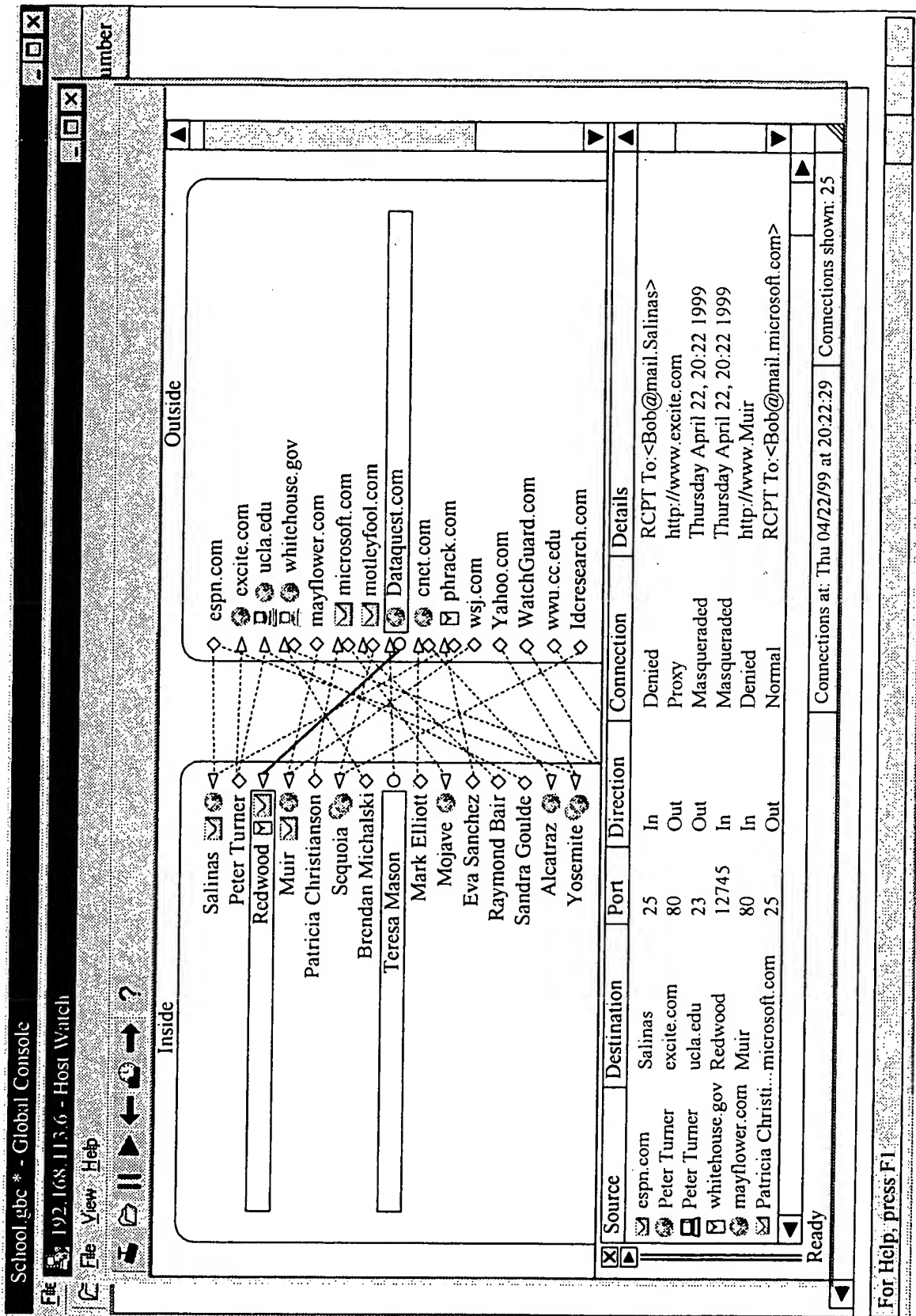


FIG. 5B

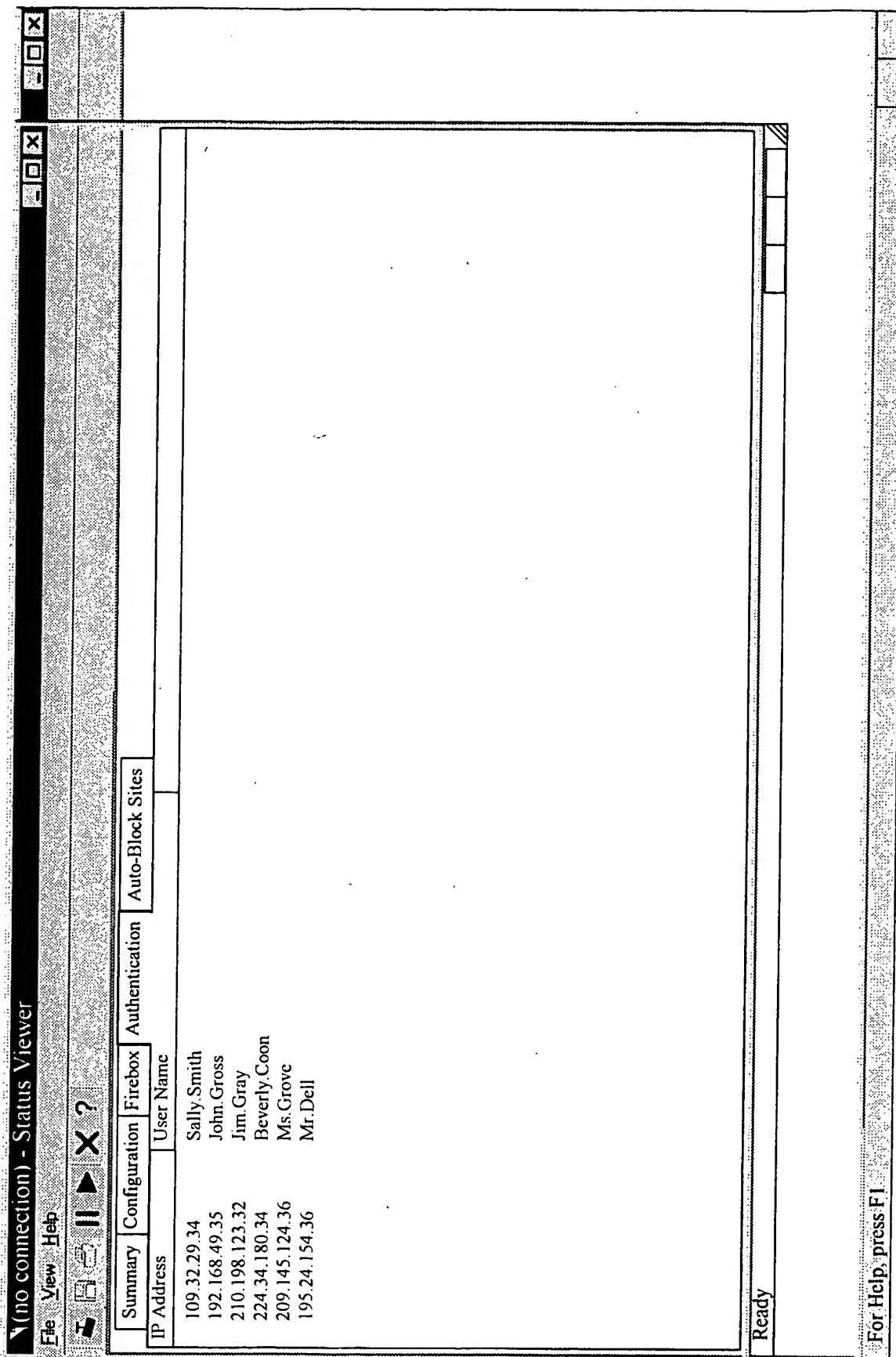


FIG. 5C

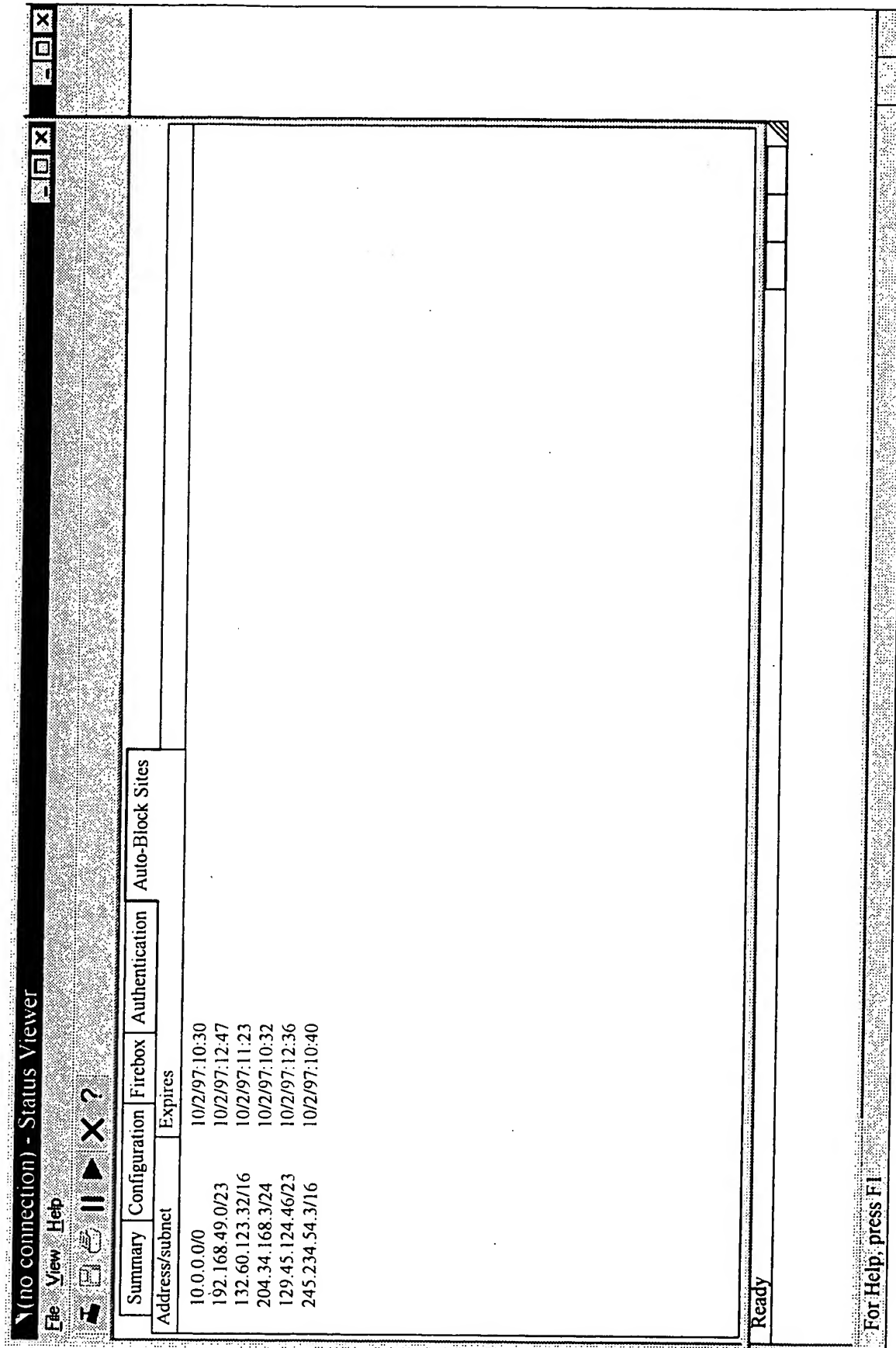


FIG. 5D

Appliance Architecture

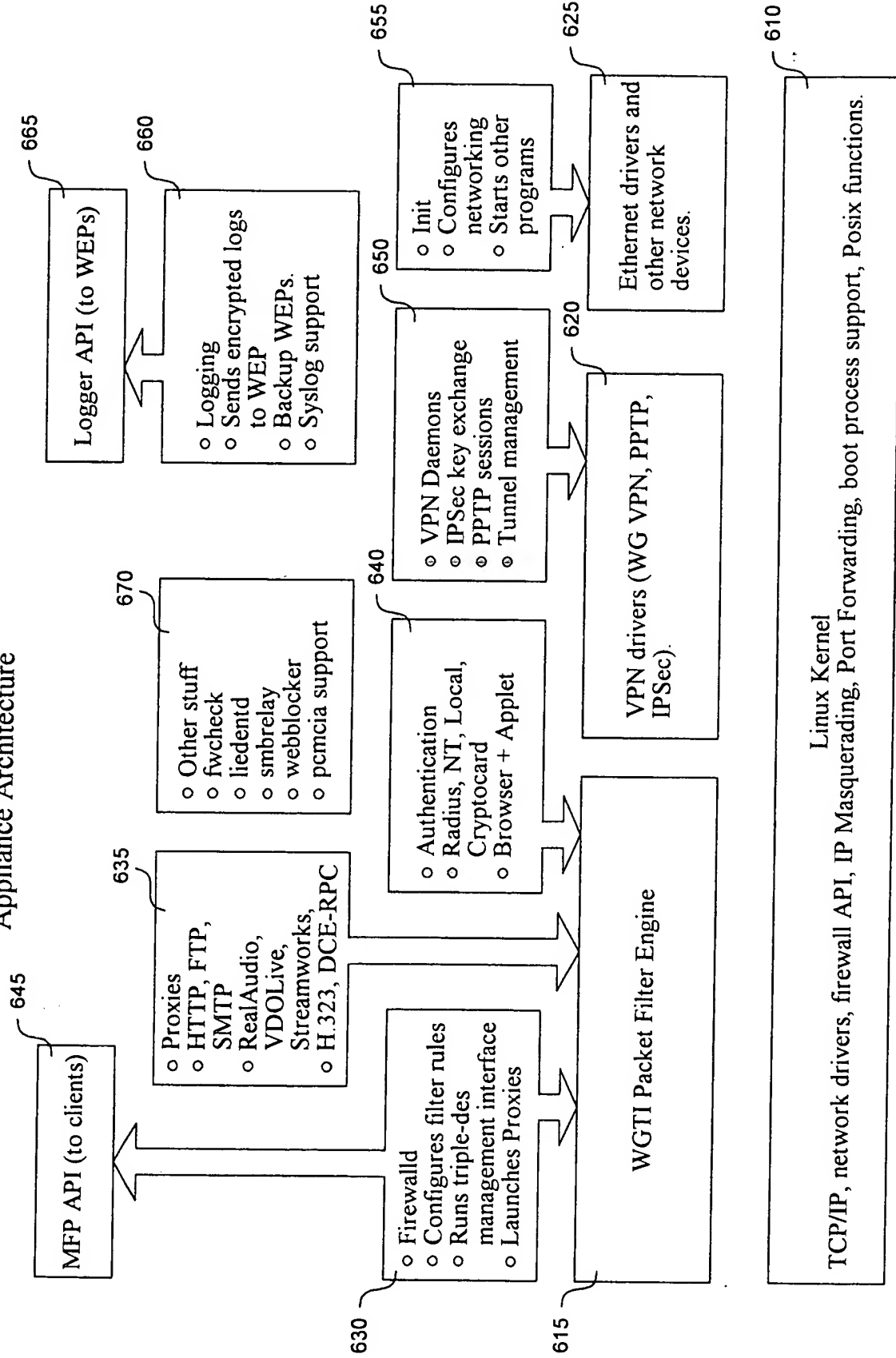


FIG. 6

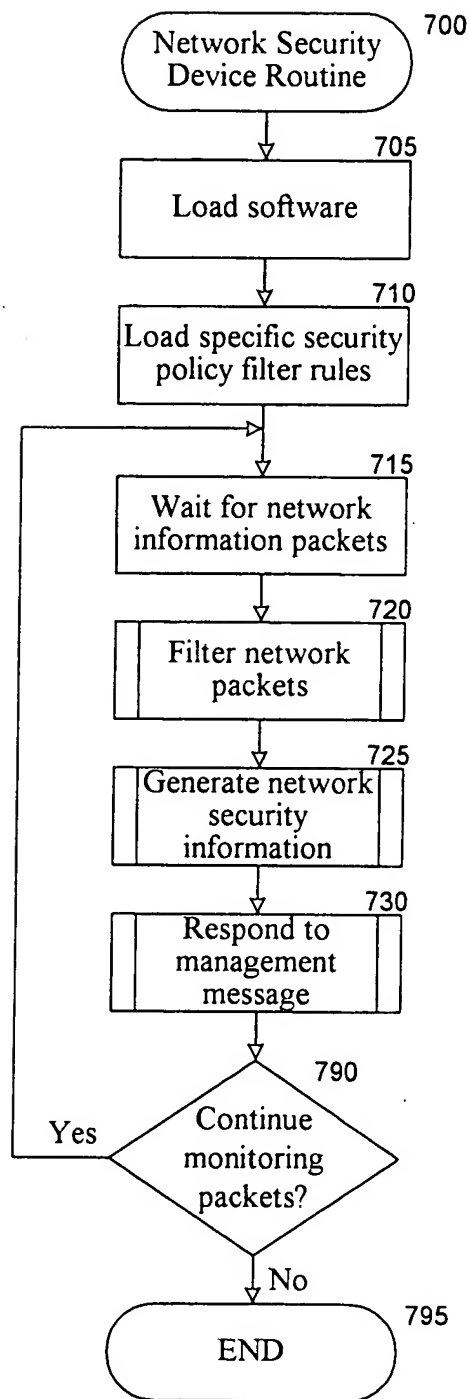


Fig. 7

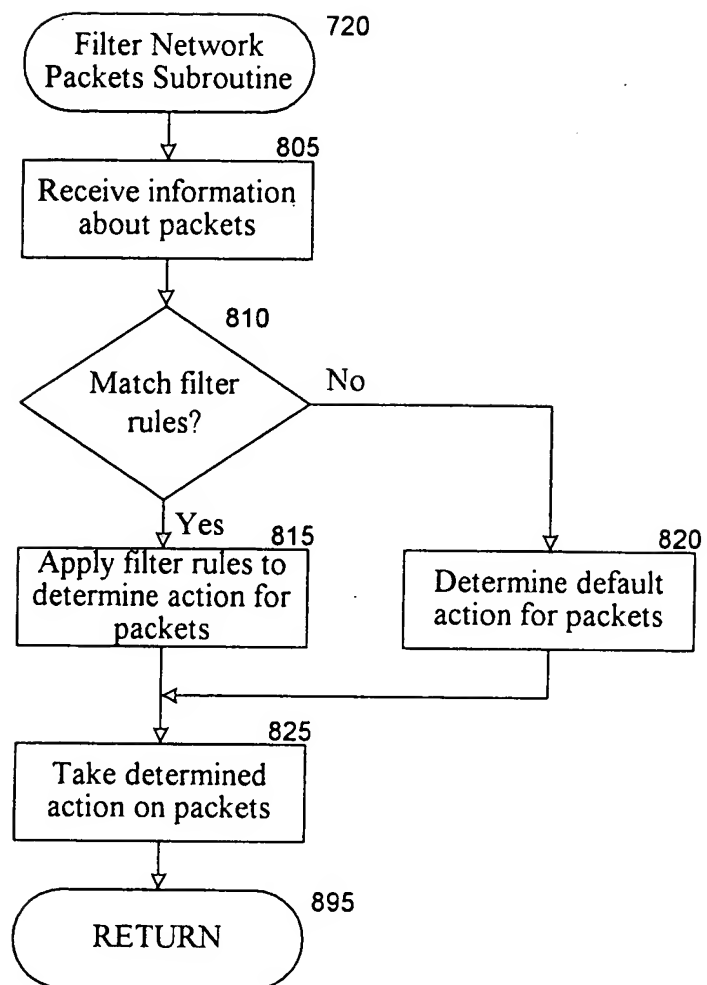


Fig. 8

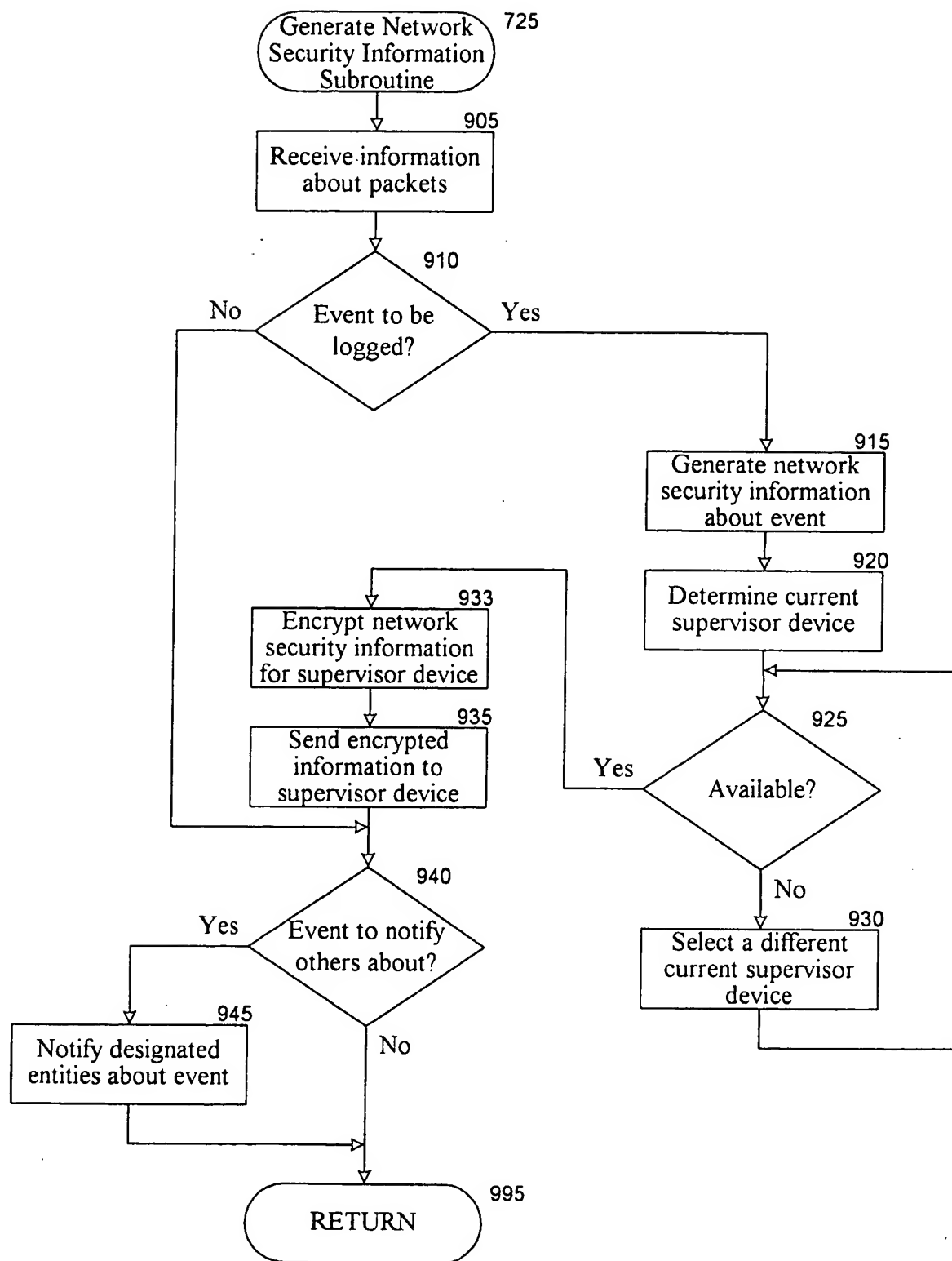


Fig. 9

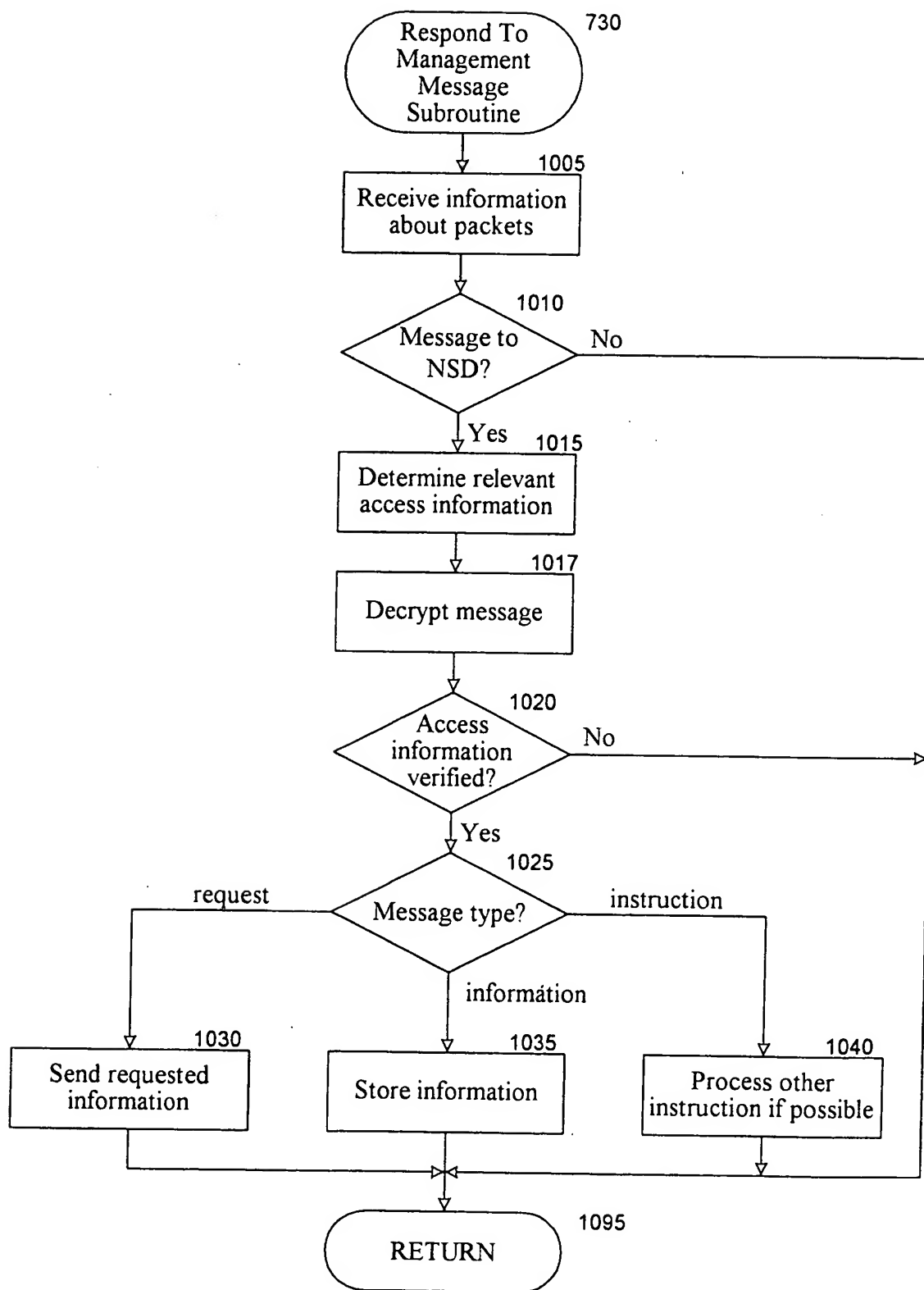


Fig. 10

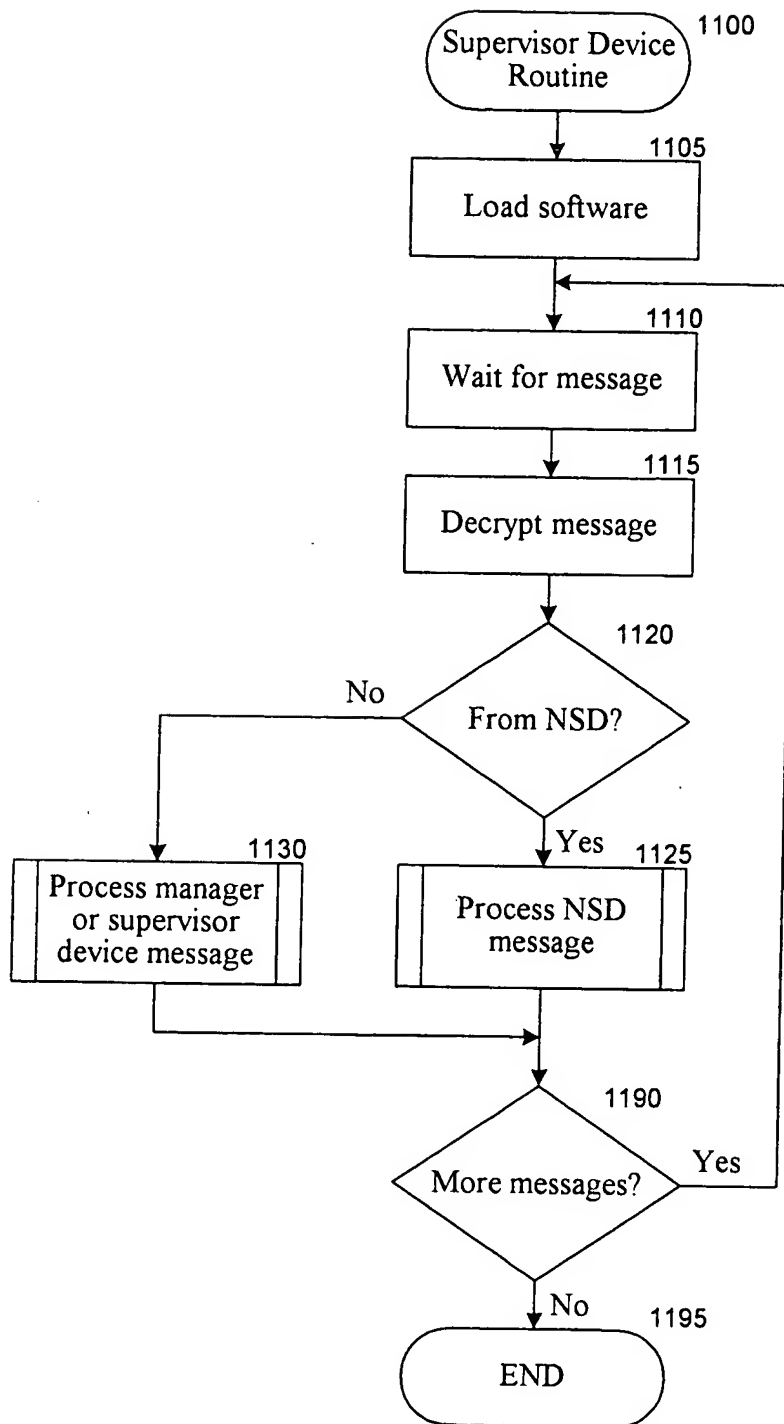


Fig. 11

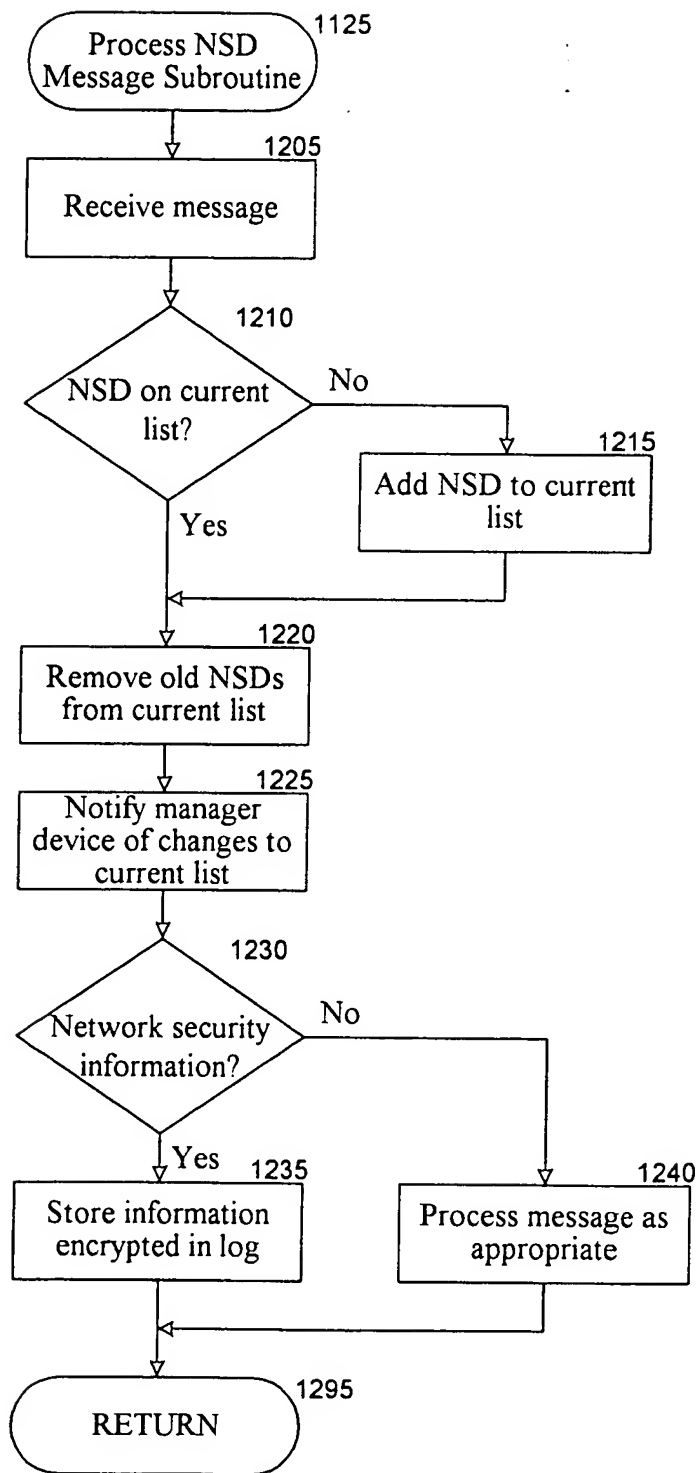


Fig. 12

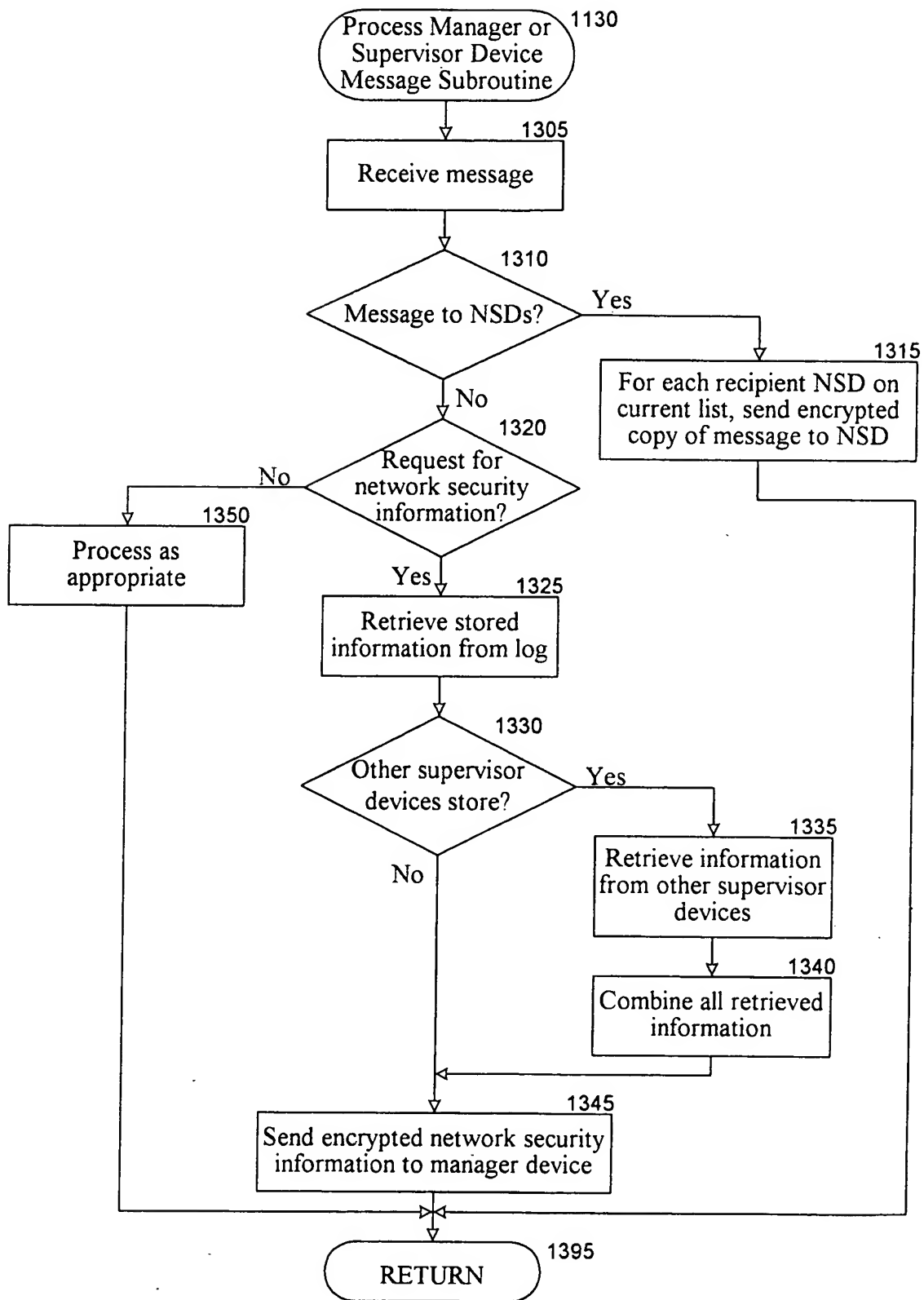


Fig. 13

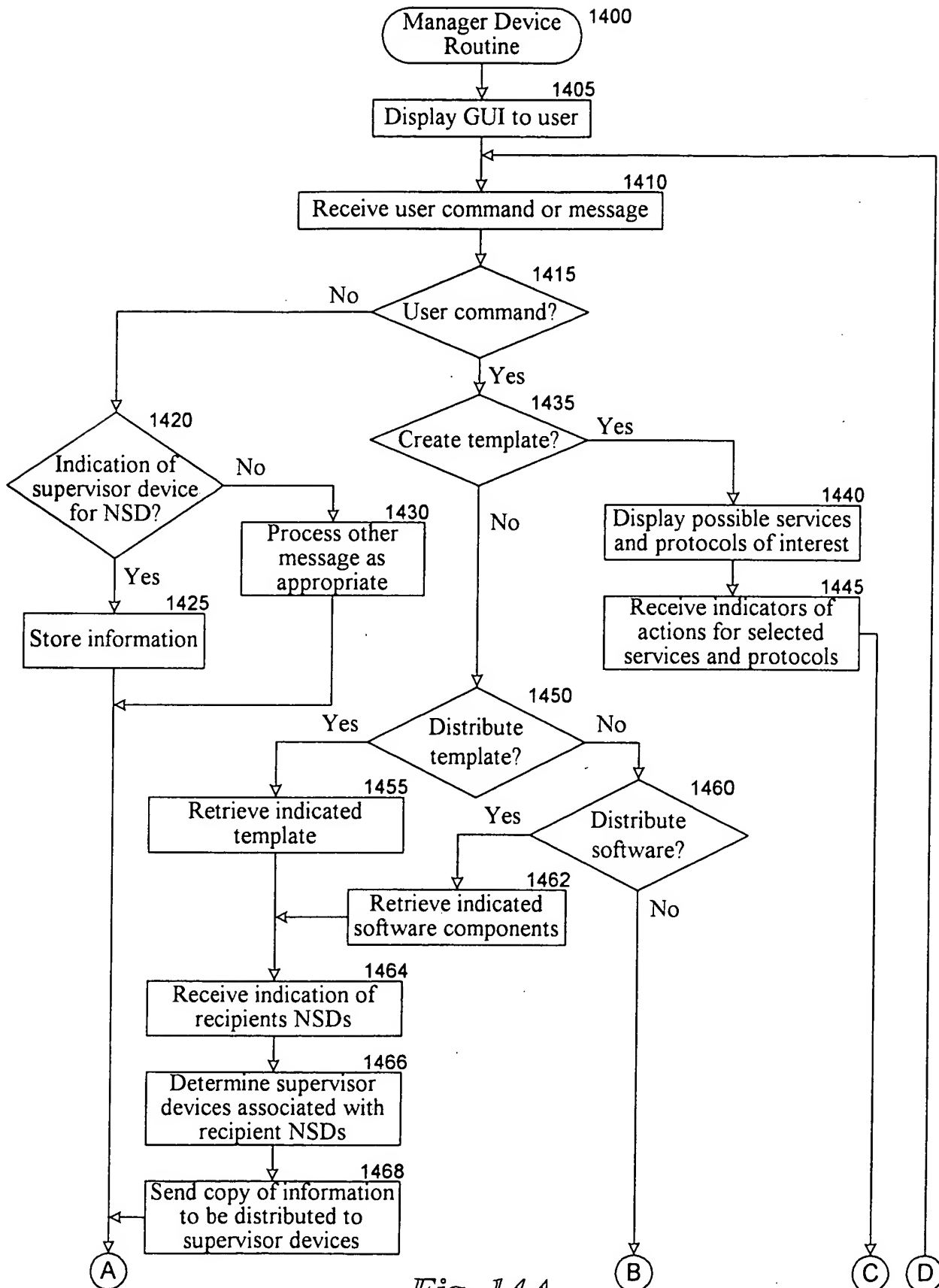


Fig. 14A

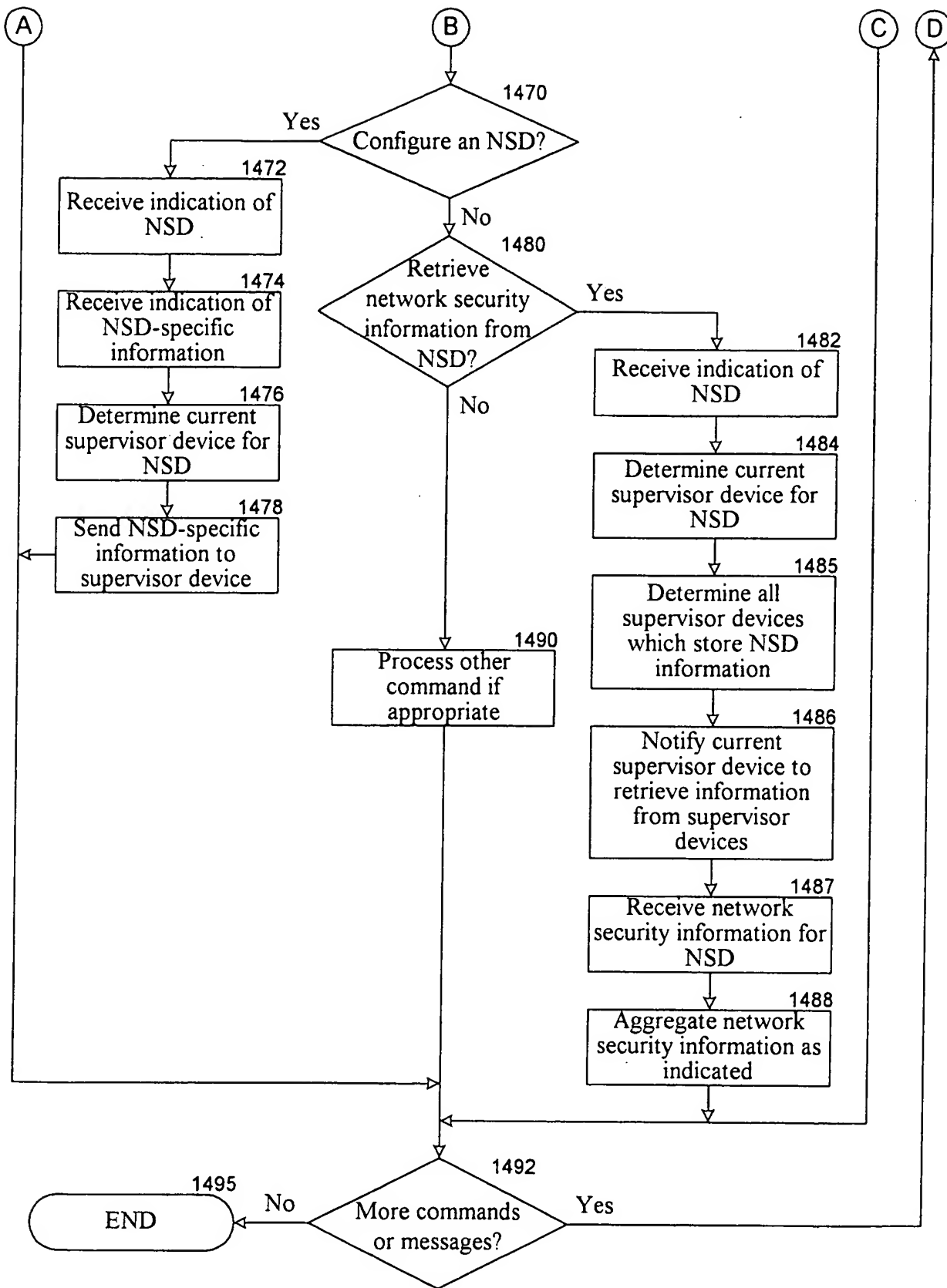


Fig. 14B